

disease or insect; it produces two or three times a year, and thrives in dry and rather poor soils, where the common potato is not resistant." (Bertonl.)

*Solanum quitoense* (Solanaceae), 47951. **Naranjilla.** From Guayaquil, Ecuador. Seeds presented by Dr. H. R. Carter, assistant surgeon general, U. S. Marine Hospital, Baltimore, Md., who secured them from Dr. M. E. Connor, Guayaquil. "The fruit of the **naranjilla** is about the size of a mandarin orange; it is orange-yellow, but not flattened as much as the mandarin. The interior resembles that of a tomato or eggplant. I was told by Mr. Elizade, secretary of state of Ecuador, that it grew in the warm countries near Quito, i. e., at a lower altitude, and I feel reasonably sure that I saw a growing plant in the barren country on the upper Magdalena near Giradot, Colombia, but having no opportunity to examine it I am not positive. This plant resembled a large eggplant 4 to 5 feet high and was covered with fruit, some yellow and some green. I am told, by the same man, that it fruits when young, i. e., the first season, and from what I heard I thought it might do so from Thomasville, Georgia southward, and in southern California. The fruit, which ripens in July, is too acid to be eaten out of hand, although I liked it, but it is used as a flavor for frescos (soft drinks) and ice cream." (Carter.)

For previous introduction and description, see S. P. I. No. 42034, Plant Immigrant Bulletin, No. 118, February, 1916, p. 968.

*Virola sebifera* (Myristicaceae), 47966. **Ucuuba.** From Belem, Pará, Brazil. Presented by Dr. J. Simão da Costa. A tree inhabiting the lowlands of the lower Amazon which produces in June and July a fruit about the size of a cherry with a brown paper-thin shell. This fruit contains an abundance of oil and stearin and, since each tree produces about 2 barrels of nuts a week during the fruiting season, this seems to be a promising source of soap material. The timber also is valuable, being hard and dense, and reddish brown in color, almost like mahogany. (Adapted from Lange, Lower Amazon, pp. 34, 407, 467.)

#### Notes on Behavior of Previous Introductions.

The following letter was received January 31,